

Claims

- 1 1. An energy conservation system comprising:
2 a master controller activated by a room occupant action;
3 a radio frequency transmitter located within said master controller and
4 having a broadcast range;
5 a radio frequency receiver remote from said radio frequency transmitter
6 and coupled to an electrical switching circuit responsive to a radio frequency
7 signal received from said radio frequency transmitter; and
8 a controlled power device coupled to the electrical switching circuit
9 such that the device is coupled to an energy source upon activation of said
10 master controller.
- 1 2. The energy conservation system of claim 1 wherein said master
2 controller in a deactivated state causes said electrical switching circuit to
3 deactivate said controlled power device.
- 1 3. The system of claim 1 wherein the master controller is mounted
2 within a lodging room proximal to an entryway.
- 1 4. The system of claim 1 wherein the room occupant action that
2 activates said master controller is insertion of a card into said master controller.

1 5. The system of claim 1 wherein said radio frequency transmitter
2 is a crystal.

1 6. The system of claim 1 further including a thermostat control
2 unit.

1 7. The system of claim 1 wherein the radio frequency transmitter
2 further comprises a frequency modulation switch that allows for the transmitted
3 frequency to be varied.

1 8. The system of claim 1 wherein the electrical switching circuit is
2 a relay.

1 9. The system of claim 1 wherein the electrical switching circuit is
2 a power transistor.

1 10. A process of room energy conservation comprising the steps of:
2 activating a radio frequency transmitter upon a room occupant action
3 within a room;
4 sending a radio frequency signal from said transmitter to a radio
5 frequency receiver coupled to an electrical switching circuit within a controlled
6 power device;

7 activating said controlled power device in response to the radio
8 frequency signal being received by the receiver; and
9 deactivating the RF transmitter upon a room occupant action when
10 leaving the room.

1 11. The process of claim 10 further comprising the step of:
2 modulating a thermostat control unit with a radio frequency signal.

1 12. The process of claim 10 wherein the master controller is
2 mounted within a lodging room proximal to an entryway.

1 13. The process of claim 10 wherein the electrical switching circuit
2 is a relay.

1 14. The process of claim 10 wherein the electrical switching circuit
2 is a power transistor.

1 15. Use of a radio frequency signaling system as claimed in claim 1
2 to lessen energy consumption in a vacant room.